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JUN 27 2001

TECH CENTER 1600/2900 #13/seq.
Listing
KD 7/12/01

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/412,863

DATE: 06/07/2001
TIME: 10:38:09

Input Set : D:\-141.app
Output Set: C:\CRF3\06072001\I412863.raw

ENTERED

4 <110> APPLICANT: Sette, Alessandro
5 Sidney, John
6 Southwood, Scott
7 Livingston, Brian
8 Chesnut, Robert
9 Baker, Denise Marie
10 Celis, Esteban
11 Kubo, Ralph
12 Grey, Howard M.
13 Epimmune Inc.
15 <120> TITLE OF INVENTION: Inducing Cellular Responses to Human
16 Immunodeficiency Virus-1 Using Peptide and Nucleic Acid
17 Compositions
20 <130> FILE REFERENCE: 018623-014100US
22 <140> CURRENT APPLICATION NUMBER: US 09/412,863
23 <141> CURRENT FILING DATE: 1999-10-05
25 <150> PRIOR APPLICATION NUMBER: US 08/027,146
26 <151> PRIOR FILING DATE: 1993-03-05
28 <150> PRIOR APPLICATION NUMBER: US 08/073,205
29 <151> PRIOR FILING DATE: 1993-06-04
31 <150> PRIOR APPLICATION NUMBER: US 08/159,184
32 <151> PRIOR FILING DATE: 1993-11-29
34 <150> PRIOR APPLICATION NUMBER: US 08/205,713
35 <151> PRIOR FILING DATE: 1994-03-04
37 <150> PRIOR APPLICATION NUMBER: US 09/189,702
38 <151> PRIOR FILING DATE: 1998-11-10
40 <160> NUMBER OF SEQ ID NOS: 14528
42 <170> SOFTWARE: FastSEQ for Windows Version 4.0
44 <210> SEQ ID NO: 1
45 <211> LENGTH: 8
46 <212> TYPE: PRT
47 <213> ORGANISM: HUMAN IMMUNODEFICIENCY VIRUS
49 <400> SEQUENCE: 1
50 Lys Leu Trp Val Thr Val Tyr Tyr
51 1 5
54 <210> SEQ ID NO: 2
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56 <212> TYPE: PRT
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60 Asn Leu Trp Val Thr Val Tyr Tyr
61 1 5
64 <210> SEQ ID NO: 3
65 <211> LENGTH: 8
66 <212> TYPE: PRT
67 <213> ORGANISM: HUMAN IMMUNODEFICIENCY VIRUS
69 <400> SEQUENCE: 3

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Input Set : D:\-141.app

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70 Asp Thr Glu Val His Asn Val Trp
71 1 5
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76 <212> TYPE: PRT
77 <213> ORGANISM: HUMAN IMMUNODEFICIENCY VIRUS
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80 Val Thr Glu Asn Phe Asn Met Trp
81 1 5
84 <210> SEQ ID NO: 5
85 <211> LENGTH: 8
86 <212> TYPE: PRT
87 <213> ORGANISM: HUMAN IMMUNODEFICIENCY VIRUS
89 <400> SEQUENCE: 5
90 Arg Ile Gly Pro Gly Gln Thr Phe
91 1 5
94 <210> SEQ ID NO: 6
95 <211> LENGTH: 8
96 <212> TYPE: PRT
97 <213> ORGANISM: HUMAN IMMUNODEFICIENCY VIRUS
99 <400> SEQUENCE: 6
100 Gly Ile Gly Pro Gly Gln Thr Phe
101 1 5
104 <210> SEQ ID NO: 7
105 <211> LENGTH: 8
106 <212> TYPE: PRT
107 <213> ORGANISM: HUMAN IMMUNODEFICIENCY VIRUS
109 <400> SEQUENCE: 7
110 Ser Ile Gly Ser Gly Gln Ala Phe
111 1 5
114 <210> SEQ ID NO: 8
115 <211> LENGTH: 8
116 <212> TYPE: PRT
117 <213> ORGANISM: HUMAN IMMUNODEFICIENCY VIRUS
119 <400> SEQUENCE: 8
120 Lys Leu Arg Glu Ile Arg Gln Phe
121 1 5
124 <210> SEQ ID NO: 9
125 <211> LENGTH: 8
126 <212> TYPE: PRT
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130 Ser Thr Asn Gly Thr Glu Thr Phe
131 1 5
134 <210> SEQ ID NO: 10
135 <211> LENGTH: 8
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137 <213> ORGANISM: HUMAN IMMUNODEFICIENCY VIRUS
139 <400> SEQUENCE: 10

RAW SEQUENCE LISTING

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Input Set : D:\-141.app

Output Set: C:\CRF3\06072001\I412863.raw

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141 1 5
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150 His Leu Leu Lys Leu Thr Val Trp
151 1 5
154 <210> SEQ ID NO: 12
155 <211> LENGTH: 8
156 <212> TYPE: PRT
157 <213> ORGANISM: HUMAN IMMUNODEFICIENCY VIRUS
159 <400> SEQUENCE: 12
160 His Leu Leu Gln Leu Thr Val Trp
161 1 5
164 <210> SEQ ID NO: 13
165 <211> LENGTH: 8
166 <212> TYPE: PRT
167 <213> ORGANISM: HUMAN IMMUNODEFICIENCY VIRUS
169 <400> SEQUENCE: 13
170 His Met Leu Gln Leu Thr Val Trp
171 1 5
174 <210> SEQ ID NO: 14
175 <211> LENGTH: 8
176 <212> TYPE: PRT
177 <213> ORGANISM: HUMAN IMMUNODEFICIENCY VIRUS
179 <400> SEQUENCE: 14
180 Arg Val Leu Ala Val Glu Arg Tyr
181 1 5
184 <210> SEQ ID NO: 15
185 <211> LENGTH: 8
186 <212> TYPE: PRT
187 <213> ORGANISM: HUMAN IMMUNODEFICIENCY VIRUS
189 <400> SEQUENCE: 15
190 Asn Val Pro Trp Asn Ser Ser Trp
191 1 5
194 <210> SEQ ID NO: 16
195 <211> LENGTH: 8
196 <212> TYPE: PRT
197 <213> ORGANISM: HUMAN IMMUNODEFICIENCY VIRUS
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200 Glu Ile Trp Asp Asn Met Thr Trp
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204 <210> SEQ ID NO: 17
205 <211> LENGTH: 8
206 <212> TYPE: PRT
207 <213> ORGANISM: HUMAN IMMUNODEFICIENCY VIRUS
209 <400> SEQUENCE: 17

RAW SEQUENCE LISTING
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Input Set : D:\-141.app
Output Set: C:\CRF3\06072001\I412863.raw

210 Asp Leu Leu Ala Leu Asp Lys Trp
211 1 5
214 <210> SEQ ID NO: 18
215 <211> LENGTH: 8
216 <212> TYPE: PRT
217 <213> ORGANISM: HUMAN IMMUNODEFICIENCY VIRUS
219 <400> SEQUENCE: 18
220 Glu Leu Leu Glu Leu Asp Lys Trp
221 1 5
224 <210> SEQ ID NO: 19
225 <211> LENGTH: 8
226 <212> TYPE: PRT
227 <213> ORGANISM: HUMAN IMMUNODEFICIENCY VIRUS
229 <400> SEQUENCE: 19
230 Asp Ile Thr Asn Trp Leu Trp Tyr
231 1 5
234 <210> SEQ ID NO: 20
235 <211> LENGTH: 8
236 <212> TYPE: PRT
237 <213> ORGANISM: HUMAN IMMUNODEFICIENCY VIRUS
239 <400> SEQUENCE: 20
240 Trp Leu Trp Tyr Ile Lys Ile Phe
241 1 5
244 <210> SEQ ID NO: 21
245 <211> LENGTH: 8
246 <212> TYPE: PRT
247 <213> ORGANISM: HUMAN IMMUNODEFICIENCY VIRUS
249 <400> SEQUENCE: 21
250 Leu Ile Gly Leu Arg Ile Ile Phe
251 1 5
254 <210> SEQ ID NO: 22
255 <211> LENGTH: 8
256 <212> TYPE: PRT
257 <213> ORGANISM: HUMAN IMMUNODEFICIENCY VIRUS
259 <400> SEQUENCE: 22
260 Leu Ile Gly Leu Arg Ile Val Phe
261 1 5
264 <210> SEQ ID NO: 23
265 <211> LENGTH: 8
266 <212> TYPE: PRT
267 <213> ORGANISM: HUMAN IMMUNODEFICIENCY VIRUS
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270 Ser Ile Arg Leu Val Asn Gly Phe
271 1 5
274 <210> SEQ ID NO: 24
275 <211> LENGTH: 8
276 <212> TYPE: PRT
277 <213> ORGANISM: HUMAN IMMUNODEFICIENCY VIRUS
279 <400> SEQUENCE: 24

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Input Set : D:\-141.app
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280 Ser Ile Arg Leu Val Ser Gly Phe
 281 1 5
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 285 <211> LENGTH: 8
 286 <212> TYPE: PRT
 287 <213> ORGANISM: HUMAN IMMUNODEFICIENCY VIRUS
 289 <400> SEQUENCE: 25
 290 Asp Leu Arg Asn Leu Cys Leu Phe
 291 1 5
 294 <210> SEQ ID NO: 26
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 296 <212> TYPE: PRT
 297 <213> ORGANISM: HUMAN IMMUNODEFICIENCY VIRUS
 299 <400> SEQUENCE: 26
 300 Asp Leu Arg Ser Leu Cys Leu Phe
 301 1 5
 304 <210> SEQ ID NO: 27
 305 <211> LENGTH: 8
 306 <212> TYPE: PRT
 307 <213> ORGANISM: HUMAN IMMUNODEFICIENCY VIRUS
 309 <400> SEQUENCE: 27
 310 Arg Ser Leu Cys Leu Phe Ser Tyr
 311 1 5
 314 <210> SEQ ID NO: 28
 315 <211> LENGTH: 8
 316 <212> TYPE: PRT
 317 <213> ORGANISM: HUMAN IMMUNODEFICIENCY VIRUS
 319 <400> SEQUENCE: 28
 320 Glu Leu Leu Gly Arg Arg Gly Trp
 321 1 5
 324 <210> SEQ ID NO: 29
 325 <211> LENGTH: 9
 326 <212> TYPE: PRT
 327 <213> ORGANISM: HUMAN IMMUNODEFICIENCY VIRUS
 329 <400> SEQUENCE: 29
 330 Thr Val Tyr Tyr Gly Val Pro Val Trp
 331 1 5
 334 <210> SEQ ID NO: 30
 335 <211> LENGTH: 9
 336 <212> TYPE: PRT
 337 <213> ORGANISM: HUMAN IMMUNODEFICIENCY VIRUS
 339 <400> SEQUENCE: 30
 340 Asn Val Thr Glu Asn Phe Asn Met Trp
 341 1 5
 344 <210> SEQ ID NO: 31
 345 <211> LENGTH: 9
 346 <212> TYPE: PRT
 347 <213> ORGANISM: HUMAN IMMUNODEFICIENCY VIRUS
 349 <400> SEQUENCE: 31

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

file://C:\Crf3\Outhold\VsrI412863.htm

6/7/01

VERIFICATION SUMMARY

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DATE: 06/07/2001

TIME: 10:38:10

Input Set : D:\-141.app

Output Set: C:\CRF3\06072001\I412863.raw

L:142567 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (14253) SEQUENCE:
L:144064 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (14402) SEQUENCE:
L:144069 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (14403) SEQUENCE:
L:144264 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (14423) SEQUENCE:
L:144955 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14491
L:145445 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14527
L:145477 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14528